## What is the efficacy of the PPE equipment purchased by Public Health England to support the COVID-19 pandemic

## Search Strategy

**Sources searched**  
BMJ Journals (1)  
CEBM: Oxford COVID-19 Evidence Service (1)  
EMBASE (14)  
Goggle Scholar (1)  
MEDLINE (4)  
PubMed (1)  
Royal College of Nursing (RCN) (1)

**Date range used** (5 years, 10 years): 2019   
**Limits used** (gender, article/study type, etc.): English Language, Human   
**Search terms and notes** (full search strategy for database searches below):

The following relevant controlled vocabulary (MeSH Headings) and natural language terms where selected and combined to conduct the search:

* Covid-19
* coronavirus
* efficacy
* personal protective equipment
* emergency medical service

Data sources searched include Cinahl, Embase, Medline PubMed on the HDAS platform.  Additionally the Coronavirus Research Database and Public Health Database on the Proquest platform. Further searches were then completed on Cochrane, Trip database, BMJ Best Practice, UpToDate , NHS Evidence, CEBM Oxford, Google and Google Scholar.

## D. Search History

|  | **Source** | **Criteria** | **Results** |
| --- | --- | --- | --- |
| 1. | EMBASE | (covid-19).ti,ab | 1337 |
| 2. | EMBASE | (coronavirus).ti,ab | 11621 |
| 3. | EMBASE | "CORONAVIRUS INFECTION"/ | 2174 |
| 4. | EMBASE | (efficacy).ti,ab | 1154980 |
| 5. | EMBASE | (personal protective equipment).ti,ab | 3151 |
| 6. | EMBASE | (1 OR 2 OR 3) | 13137 |
| 7. | EMBASE | (4 AND 5 AND 6) | 2 |
| 8. | EMBASE | (5 AND 6) | 59 |
| 9. | EMBASE | (4 AND 5) | 87 |
| 10. | Medline | (covid-19).ti,ab | 1739 |
| 11. | Medline | (coronavirus).ti,ab | 10922 |
| 12. | Medline | "CORONAVIRUS INFECTION"/ | 0 |
| 13. | Medline | (efficacy).ti,ab | 780899 |
| 14. | Medline | (personal protective equipment).ti,ab | 2642 |
| 15. | Medline | (10 OR 11) | 11928 |
| 16. | Medline | (13 AND 14 AND 15) | 2 |
| 17. | Medline | (14 AND 15) | 65 |
| 18. | CINAHL | (covid-19).ti,ab | 261 |
| 19. | CINAHL | (coronavirus).ti,ab | 1320 |
| 20. | CINAHL | "CORONAVIRUS INFECTION"/ | 0 |
| 21. | CINAHL | (efficacy).ti,ab | 196705 |
| 22. | CINAHL | (personal protective equipment).ti,ab | 1694 |
| 23. | CINAHL | (18 OR 19) | 1461 |
| 24. | CINAHL | (21 AND 22 AND 23) | 1 |
| 25. | CINAHL | (21 AND 22) | 37 |
| 26. | EMCARE | (covid-19).ti,ab | 56 |
| 27. | EMCARE | (coronavirus).ti,ab | 1156 |
| 28. | EMCARE | "CORONAVIRUS INFECTION"/ | 396 |
| 29. | EMCARE | (efficacy).ti,ab | 231605 |
| 30. | EMCARE | (personal protective equipment).ti,ab | 1369 |
| 31. | EMCARE | (26 OR 27 OR 28) | 1337 |
| 32. | EMCARE | (29 AND 30 AND 31) | 1 |
| 33. | EMCARE | (29 AND 30) | 42 |
| 34. | HMIC | (covid-19).ti,ab | 0 |
| 35. | HMIC | (coronavirus).ti,ab | 24 |
| 36. | HMIC | "CORONAVIRUS INFECTION"/ | 0 |
| 37. | HMIC | (efficacy).ti,ab | 3052 |
| 38. | HMIC | (personal protective equipment).ti,ab | 69 |
| 39. | HMIC | (37 AND 38) | 3 |
| 40. | PubMed | (covid-19).ti,ab | 2729 |
| 41. | PubMed | (coronavirus).ti,ab | 16705 |
| 42. | PubMed | "CORONAVIRUS INFECTION"/ | 0 |
| 43. | PubMed | (efficacy).ti,ab | 793743 |
| 44. | PubMed | (personal protective equipment).ti,ab | 31186 |
| 45. | PubMed | (40 OR 41) | 17792 |
| 46. | PubMed | (43 AND 44 AND 45) | 4 |
| 47. | PubMed | (43 AND 44) | 1051 |